FAA-G-2300
September 28, 1967

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION SPECIFICATION

PANEL AND VERTICAL CHASSIS, RACK

1. SCOPE

1.1 Scope.- This specification sets forth requirements applicable to standard 19-inch slotted rack panels and vertical chassis designs based thereon.

1.2 Classification.- The following types of equipment are specified herein:

Type I	Rack Panel-Door and Vertical Chassis
Type II	Rack Panel and Vertical Chassis (Panel Access Plate)
Type III	Rack Panel, Size C Maximum, and Vertical Chassis (Top Access Plate)
Type IV	Rack Panel, Size B Maximum, and Open Vertical Chassis
Type V	Blank Rack Panels

2. APPLICABLE DOCUMENTS

2.1 None.

3. REQUIREMENTS

3.1 Equipment to be furnished by contractor.- See the governing detailed electronic equipment or general specifications (referred to herein as "collateral" specifications) which call out this specification as an applicable document.

3.2 Type I rack panel-door and vertical chassis.- Where rack panel-door and vertical chassis construction is specified as Type I in accordance with this specification, construction shall consist of the "standard door panel with enclosed vertical chassis" in accordance with drawing D-21342H. Paragraphs 3.7 through 3.10 shall apply.

3.3 Type II; rack panel and vertical chassis (panel access plate).- Where rack panel and vertical chassis construction is specified as Type II in accordance with this specification, construction shall consist of a vertical chassis, Method-2, as shown on drawing D-21342H, except that in lieu of hinges and latch, the door shall be secured with not less than six captive machine screws (brass or bronze, plated; or stainless steel), spaced 6-1/2 inches ± 1/2 inch center-to-center, engaging threaded inserts in the upper and lower chassis flanges, or quick-lock cowl fasteners of the types manufactured by Camloc Fastener Co., United-Carr Fastener Corp., Shakeproof Lockwasher Co., or equal. Ferrous materials may be used for these fasteners if non-corrosive or if heavily electroplated to prevent corrosion. (NOTES 6, 7, 9, and 12 of D-21342H shall not apply). Paragraphs 3.7 through 3.10 shall apply. No electrical parts, cables, or wiring shall mount on or be secured to the panel access plate.

3.4 Type III; rack panel, size C maximum, and vertical chassis (top access plate).- Where rack panel and vertical chassis construction is specified as Type III in accordance with this specification, construction shall consist of a vertical chassis on the back of a rack panel (no panel-door). The chassis shall be not less than 5 inches deep and shall have a full-size removable cover plate on top, to allow access to parts and wiring. The cover plate shall be secured with six machine screws (brass, plated; or stainless steel) engaging threaded inserts in the chassis. The screws shall be located along front and rear edges spaced 7-1/2 inches ± 1/2 inch. In other respects the chassis shall be in accordance with the following portions of drawing D-21342H:

REAR VIEW and END VIEW, GENERAL DETAILS
NOTES 2, 3, 4, 5, 8, 10, and 11

Paragraphs 3.7 through 3.10 shall apply. The Type III construction is intended for use where panel size does not exceed C (3.7.1).

3.5 Type IV; rack panel and open vertical chassis.- Where rack panel and vertical chassis construction is specified as Type IV in accordance with this specification, construction shall consist of a rack panel (no door) with vertical chassis. The chassis shall be not less than five inches deep. The top and bottom of the chassis shall be open except for an inside flange. 1/2 inch to 5/8 inch wide. In other respects, the chassis shall be in accordance with the following portions of drawing D-21342H:

REAR VIEW and END VIEW, GENERAL DETAILS
NOTES 2, 3, 4, 8, and 11

Paragraphs 3.7 through 3.10 shall apply. The Type IV construction is intended for use where panel size does not exceed B (3.7.1).

3.6 Type V; blank rack panels.- Blank rack panels specified as Type V in accordance with this specification shall meet the requirements of 3.7 hereof and shall have no additional holes, cutouts, or other machining and shall have no attached parts or structure (also see 3.10).

3.7 Rack panels.- Rack panels shall meet the requirements of drawing D-21140D. The panel sizes, or size limitations, shall be as specified in the collateral specifications (also see 3.4 and 3.5 hereof).

3.7.1 Size designations.- Panel sizes by letter designation (A, B, C, etc.) shall be as shown on D-21140D.

3.8 Restricted panel area.- In order to accommodate conventional screw mounting of rack panels (via slotted panel-mounting holes) in standard cabinet-type racks, there shall be no projections on the surfaces, or over the surfaces, of the areas 7/8 inch in from each end on both front and rear of any rack panel.

3.9 Vertical chassis parts mounting.- When a vertical chassis is used, the large parts, such as transformers, reactors, large capacitors, electron tubes, together with terminal blocks and power receptacles, shall be mounted on the rear vertical surface of the chassis (tube and relay sockets arranged so that tubes and plug-in relays can be inserted and removed from the rear of the chassis). Small parts shall be mounted inside the chassis, arranged for accessibility. All parts shall be so mounted as to confine most or all of the wiring to the inside of the chassis.

3.9.1 AC line receptacle and attachment cord.- On panel-chassis equipments requiring connection to the 120 V (design-center value) AC supply line, a grounding-type three-pole male recessed receptacle shall be provided and mounted on the lower right rear of the chassis (as viewed from the rear). The receptacle shall be Harvey Hubbell, Inc. #7486G, midget flush base, 3-wire polarized, grounded, twist-lock type, 15 A 125 V; or equal. An attachment cord, length in the range 2 to 3 feet, shall be furnished. The cord shall be SJ, three-wire, stranded, rubber-covered and rubber jacketed, minimum wire size 1600 circular mils. One end shall have a connector to fit the recessed receptacle, Hubbell #7481 midget 3-wire twist-lock connector, 15 A 125 V; or equal. The other end shall have a rubber finger-grip cap, standard 3-wire grounding type (parallel blades, U-shaped grounding pin); Hubbell #5274; or equal. Wiring and polarity shall be in accordance with fig. 1 hereof.

3.9.2 Facilities for interunit cabling.- Each vertical chassis assembly shall have facilities on the rear of the chassis arranged so that incoming cable branches (except AC supply line cable - see 3.9.1) can be routed to the chassis terminating device from an interunit cable running vertically up past the left-hand side of the chassis (viewed from the rear), without obstructing back-of-chassis parts to which access must be had in routine maintenance.

3.10 Finishes.- See collateral specifications.

4. QUALITY ASSURANCE PROVISIONS

4.1 See collateral specifications.

5. PREPARATION FOR DELIVERY

5.1 See collateral specifications or contract schedule.

6. NOTES

6.1 None.

* * * * *

FOR FIGURE 1, SEE PAGE 5.

ATTACH FOLLOWING PAGE 5: Drawings D-21140 D
D-21342 H
C-21278 F
C-21286 E

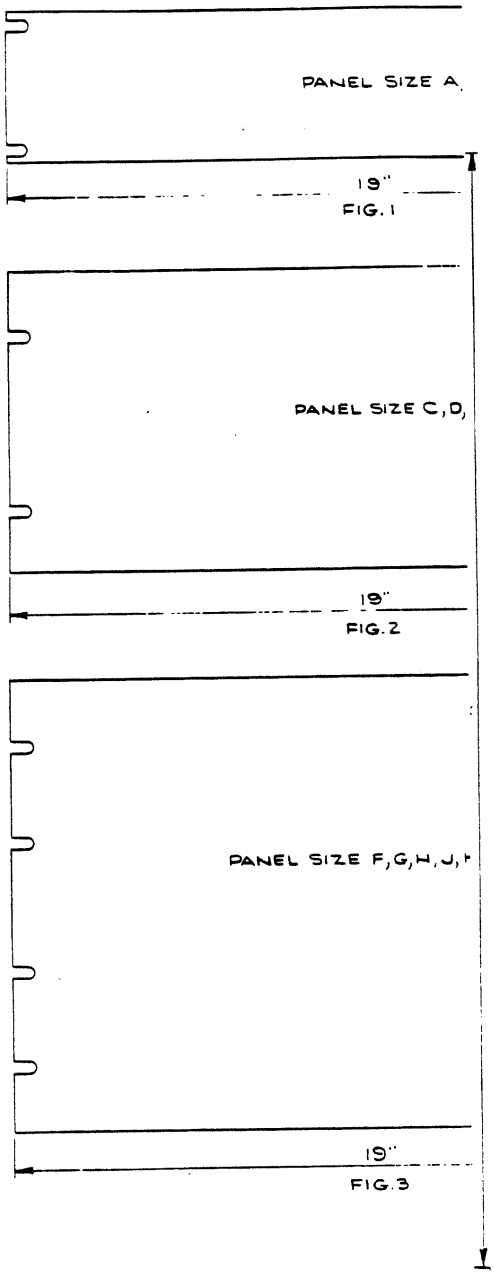
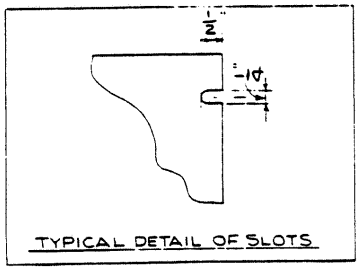


TABLE OF PANEL SIZES				
PANEL SIZE	FIG.	DIMENSION X	DIMENSION Y	DIMENSION Z
A	1	$1\frac{23}{32}$"		$1\frac{1}{4}$"
B	1	$3\frac{15}{32}$"		3"
C	2	$5\frac{7}{32}$"		$2\frac{1}{4}$"
D	2	$6\frac{31}{32}$"		4"
E	2	$8\frac{23}{32}$"		$5\frac{3}{4}$"
F	3	$10\frac{15}{32}$"	3"	$2\frac{1}{4}$"
G	3	$12\frac{7}{32}$"	$2\frac{1}{4}$"	$3\frac{1}{2}$"
H	3	$13\frac{31}{32}$"	3"	4"
J	3	$15\frac{23}{32}$"	$4\frac{3}{4}$"	4"
K	3	$17\frac{15}{32}$"	$6\frac{1}{2}$"	4"
L	3	$19\frac{7}{32}$"	$5\frac{3}{4}$"	$5\frac{1}{4}$"
M	3	$20\frac{31}{32}$"	$6\frac{1}{2}$"	$5\frac{3}{4}$"
N	4	$22\frac{23}{32}$"	SEE DETAILS FIG. 4	
O	5	$24\frac{15}{32}$"	SEE DETAILS FIG. 5	
P	6	$26\frac{7}{32}$"	SEE DETAILS FIG. 6	

NOTES

1. MATERIAL TO BE SELECTED FROM ALUMINUM ALLOYS LISTED BELOW.
   1100-H14,16,18 (2S-$\frac{1}{2}$H, $\frac{3}{4}$H, H)
   3003-H14,16,18 (3S $\frac{1}{2}$H, $\frac{3}{4}$H, H)
   3004-H32,34,36,38 (4S $\frac{1}{4}$H, $\frac{1}{2}$H, $\frac{3}{4}$H, H)
   2024-T3 (24S-T)
   5052-H32,34,36,38 (52S $\frac{1}{4}$H, $\frac{1}{2}$H, $\frac{3}{4}$H, H)
   6061-T4,6
   7075-T6
2. ALL PANELS TO BE 19" $\pm \frac{1}{64}$" WIDE. THICKNESS OF ALL PANELS TO BE $\frac{3}{16}$". ALL EDGES TO BE SQUARE CUT, OR GROUND TO DIMENSIONS FREE FROM BURRS & DEFORMATION.
3. ALL DIMENSIONS SHALL BE ACCURATE WITHIN $\pm \frac{1}{64}$", EXCEPT THAT NO ACCUMULATIVE TOLERANCE IS ALLOWED IN SLOT-SPACING DIMENSIONS. EACH SLOT SHALL BE SPACED FROM ALL OTHER SLOTS ON THE SAME SIDE OF THE PANEL WITHIN $\pm \frac{1}{64}$" OF THE SUM OF THE NOMINAL DIMENSIONS GIVEN ON THE DRAWING. PANELS SHALL BE SQUARE WITH THE BOTTOM EDGE WITHIN THE LIMITS SHOWN IN FIG. 7.



TYPICAL DETAIL OF SLOTS

LI
WI
MI
TC
A

420 101 01E

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WASHINGTON, D.C. 20590

PANELS, RACK

REVIEWED BY	SUBMITTED BY: F.A.B. SMITH, ACT-6, CHIEF, ELECTRONIC STANDARDS SECTION	APPROVED BY: F.S. SAKATE, CHIEF, SYSTEMS STANDARDS BRANCH, RD-420
DESIGNED BY	ISSUED BY: SYSTEMS RESEARCH AND DEVELOPMENT SERVICE, ENVIRONMENTAL DEVELOPMENT DIVISION	DATE: FEB. 4, 1966
DRAWN BY: S.Z.		DRAWING NO: -D-21140
CHECKED BY: F.A.B.S.		REV LTR: D

FAA-G-2300
AMENDMENT-1
December 1, 1969

DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION SPECIFICATION

PANEL AND VERTICAL CHASSIS, RACK

This AMENDMENT-1 forms a part of FAA-G-2300 dated September 28, 1967.

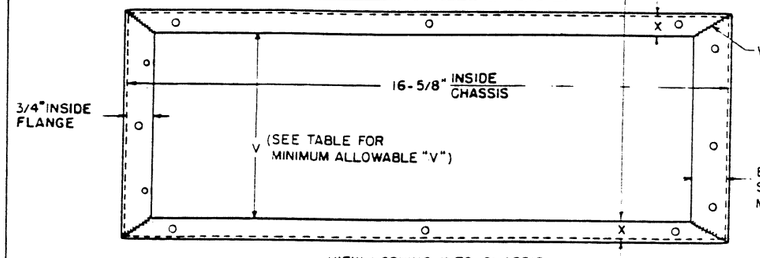
Page 3, paragraph 3.9.1: Delete all after the first sentence and substitute: "The receptacle shall be Industry No. 7486G, midget flush base, 3-wire polarized, grounded, twist-lock type, 15 A 125 V. An attachment cord, length in the range 2 to 3 feet, shall be furnished. The cord shall be SJ, three-wire, stranded, rubber covered and rubber jacketed, minimum wire size AWG 18. One end shall have a connector to fit the recessed receptacle, Industry No. 7484 midget 3-wire twist-lock connector, cord grip, 15 A 125 V. The other end shall have a rubber finger-grip cap, standard 3-wire grounding type (parallel blades, U-shaped grounding pin), Industry No. 5274. Wiring and polarity shall be in accordance with Fig. 1 hereof."

Drawing D-21342H, attached to FAA-G-2300: Under "NOTES:" delete the note "2. CHASSIS SHALL BE FORMED . . . . . PERMITTED." and substitute the following therefor:

"2. CHASSIS SHALL BE FORMED AND CONTINUOUSLY BUTT OR FILLET WELDED. ALL CONNECTING EDGES SHALL BE CLEANED OF FOREIGN MATERIAL AND SHALL BE DIMENSIONED FOR PROPER FIT-UP. ALL WELDS SHALL BE FULL PENETRATION TYPE AND SHALL BE SMOOTHED (ON THE EXTERIOR OF THE CHASSIS) BY MEANS OF A BELT SANDER OR EQUAL, MAINTAINING THE WELD THROAT DIMENSION NOT LESS THAN THE THICKNESS OF THE CONNECTING METAL. CHASSIS FABRICATION BY RIVETING, SCREW FASTENERS, OR SPOT WELDING NOT PERMITTED."

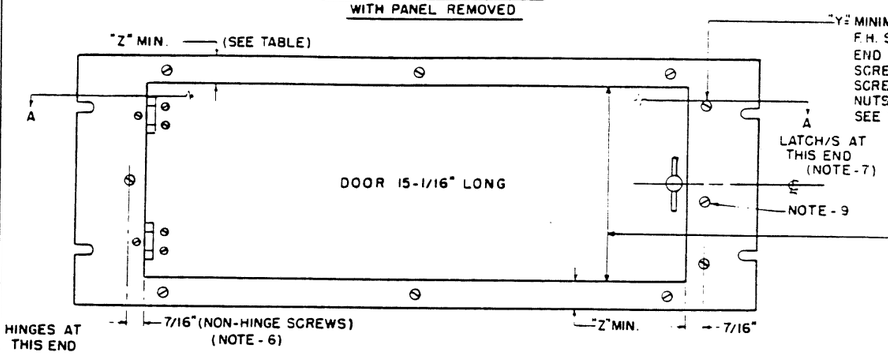
* * * * *

OPTIONAL METHOD - 1
ONE PIECE PANEL WITH DOOR

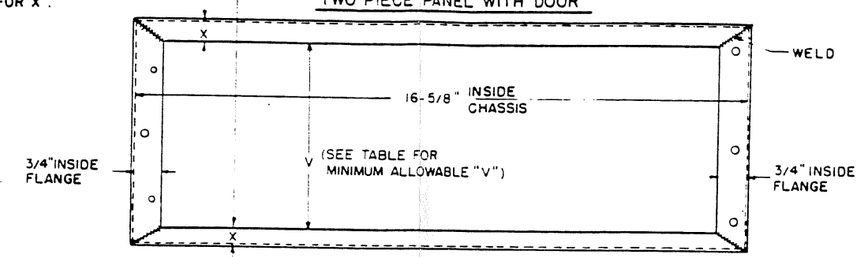


VIEW LOOKING INTO CHASSIS WITH PANEL REMOVED

METHODS 1 & 2

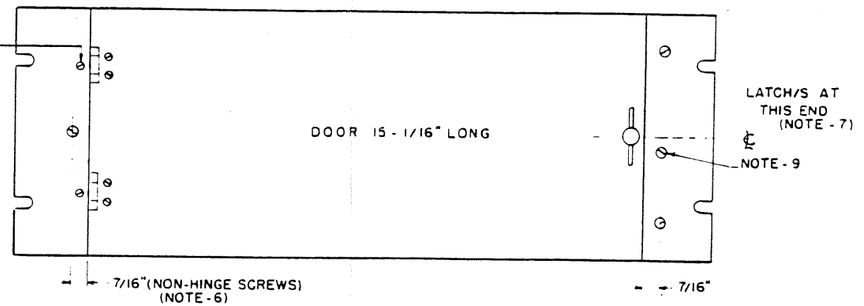


OPTIONAL METHOD - 2
TWO PIECE PANEL WITH DOOR

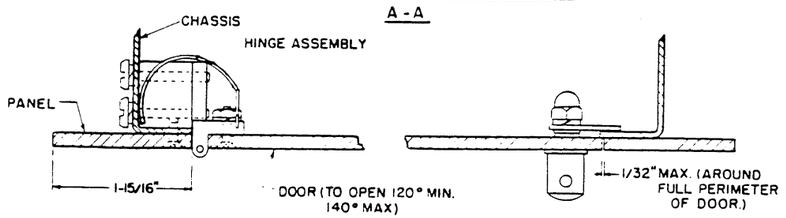


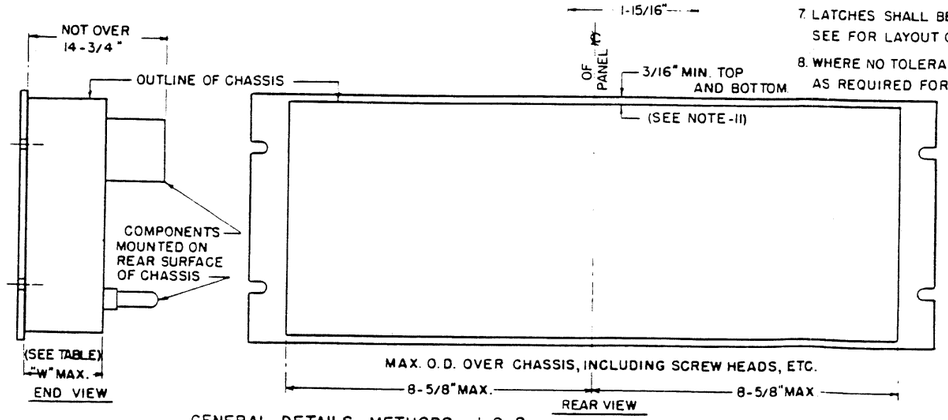
VIEW LOOKING INTO CHASSIS WITH PANEL REMOVED

METHODS 1 & 2



DETAILED SECTION, METHODS 1 & 2
A-A

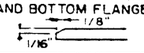




GENERAL DETAILS, METHODS - 1 & 2

NOTES:

1. OPTIONAL METHODS: EITHER OF THE TWO OPTIONAL METHODS OF CONSTRUCTION MAY BE USED, PROVIDED ALL REQUIREMENTS ARE MET.
2. CHASSIS SHALL BE FORMED AND SEAM WELDED. CHASSIS FABRICATION BY RIVETING, SCREW FASTENERS, OR SPOT WELDING NOT PERMITTED.
3. PANEL SIZE AND SLOTTING TO BE IN ACCORDANCE WITH DR. D-21140D (OR LATER ISSUE).
4. CHASSIS MATERIAL: ALUMINUM ALLOY MINIMUM GAUGE .063". THICKNESS OF MATERIAL AND METHOD OF FORMING AND REINFORCING SHALL BE SUCH AS TO RESULT IN A RIGID CHASSIS ASSEMBLY, CAPABLE OF SUPPORTING THE EQUIPMENT WITHOUT TWIST OR SAG.
5. ALL ITEMS SHALL BE NON-FERROUS.
6. HINGES SHALL BE IN ACCORDANCE WITH DWG. C-21278F (OR LATER ISSUE), WHICH SEE FOR LAYOUT OF HINGE SCREWS.
7. LATCHES SHALL BE IN ACCORDANCE WITH DWG. C-21286E (OR LATER ISSUE), WHICH SEE FOR LAYOUT OF LATCH.
8. WHERE NO TOLERANCES ARE GIVEN ON DIMENSIONS, ±1/32" OR LESS SHALL APPLY AS REQUIRED FOR ACCURATE FITS AND ALIGNMENT.
9. AVOID INTERFERENCE WITH LATCH BY DROPPING SCREWS BELOW LATCH ℄ IF NECESSARY.
10. VENTILATION HOLES MAY BE CUT IN TOP, BOTTOM, AND SIDES OF CHASSIS IF NECESSARY.
11. AFTER ASSEMBLY, NO PORTION OF ANY COMPONENT SHALL PROJECT BEYOND SIDES OR TOP AND BOTTOM OF CHASSIS; NOR SHALL ANY PORTION OF THE EQUIPMENT (INCLUDING HEADS OF SCREWS, ETC.) PROJECT BEYOND A PLANE 1/16" BELOW TOP EDGE OF PANEL, OR A PLANE 1/16" ABOVE BOTTOM EDGE OF PANEL (PLANES PERPENDICULAR TO PANEL).
12. BEVEL BACK CORNER OF DOOR ABOVE TOP HINGE AND BELOW BOTTOM HINGE TO AVOID INTERFERING WITH TOP AND BOTTOM FLANGES OF CHASSIS (METHOD-2). ALSO METHOD-1 IF DOOR OVERLAPS TOP AND BOTTOM FLANGES.



WELDS SHALL BE SMOOTHED (ON THE EXTERIOR OF THE CHASSIS) BY MEANS OF A BELT SANDER OR SIMILAR PROCESS.

METHODS 1 & 2							1
MIN "V"	PANEL SIZE	MIN. NO OF HINGES	NO. OF LATCHES	MAX DEPTH "W"	MIN. FLANGE "X"	MIN. SCREWS "Y"	MIN. PANEL "Z"
2"	B	2	1	2-1/8"	7/16"	2	3/4"
3-3/4"	C	2	1	3-7/8"	7/16"	2	3/4"
5-1/4"	D	2	1	5-5/8"	7/16"	3	3/4"
7"	E	2	1	7-3/8"	7/16"	4	3/4"
8-1/2"	F	2	1	8"	9/16"	4	7/8"
9-3/4"	G	3	2	8"	3/4"	5	1-1/16"
11-1/2	H	3	2	8	3/4"	5	1-1/16"
12-1/2"	J	3	2	8"	1"	5	1-5/16"
14-1/2"	K	3	2	8"	1"	5	1-5/16"
16"	L	3	2	8"	1"	5	1-5/16"
17-3/4"	M	4	2	8"	1"	7	1-5/16"
19-1/2"	N	4	2	8"	1"	7	1-5/16"
21-3/4"	O	4	2	8"	1"	7	1-5/16"
23"	P	4	2	8"	1"	7	1-5/16"

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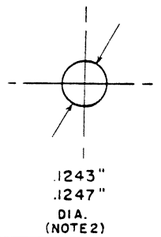
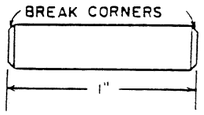
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WASHINGTON, D.C. 20590

STANDARD DOOR PANEL AND VERTICAL CHASSIS ASSEMBLY (USING PRECISION HINGES)

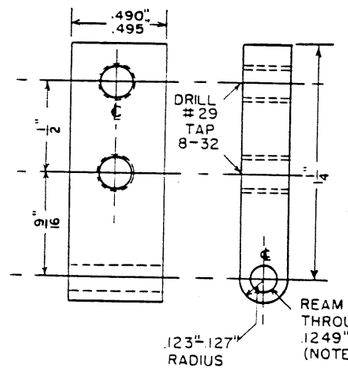
REVIEWED BY	SUBMITTED BY	APPROVED BY
	AGC6 F.A.B. SMITH CHIEF, ELECTRONIC STANDARDS SECTION	F.S. SAKATE CHIEF, SYSTEMS STANDARDS BRANCH, RD-420
DESIGNED BY	ISSUED BY: SYSTEMS RESEARCH AND DEVELOPMENT SERVICE, INSTRUMENTAL DEVELOPMENT DIVISION	DATE: JUNE 2, 1960
DRAWN BY: J.S.		DRAWING NO. D-21342
CHECKED BY: [illegible]		REV. LTR. H



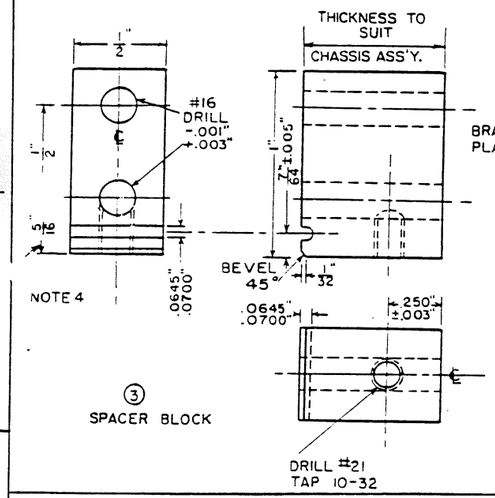


④ HINGE PIN

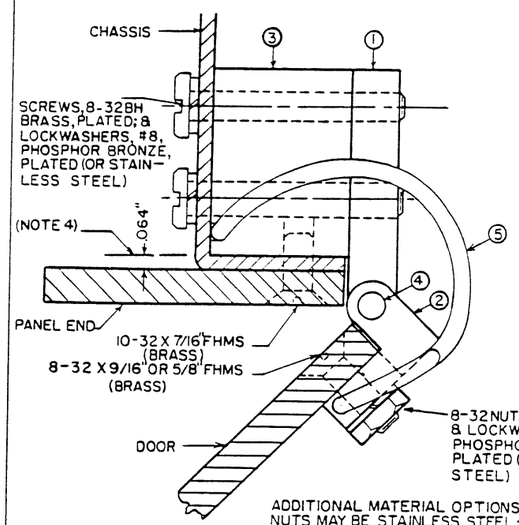
STAINLESS STEEL
CHROMIUM CONTENT
12% UP
HEAD MAY BE
FLUTED OR SMOOTH



① PANEL HALF OF HINGE

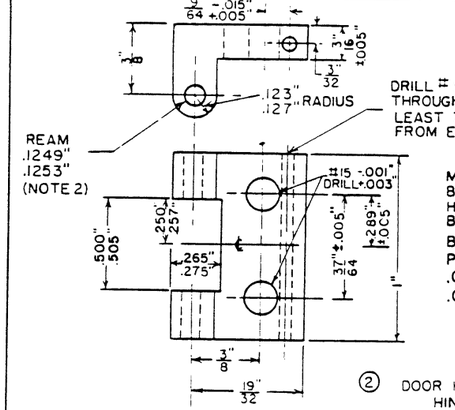


③ SPACER BLOCK

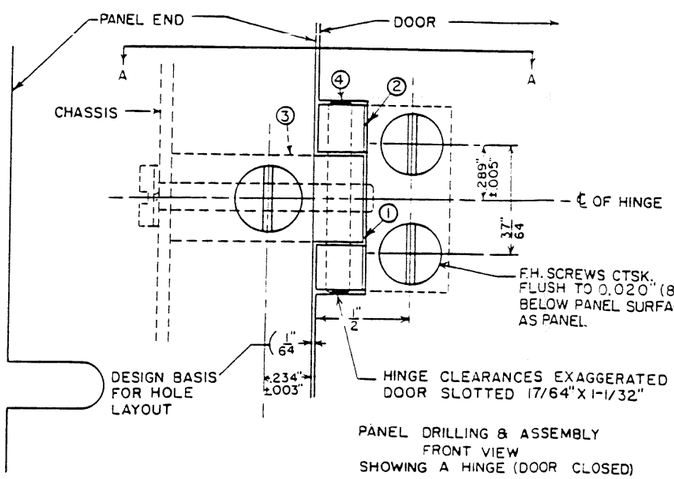


ADDITIONAL MATERIAL OPTIONS: SCREWS AND NUTS MAY BE STAINLESS STEEL; LOCKWASHERS MAY BE BERYLLIUM COPPER, PLATED

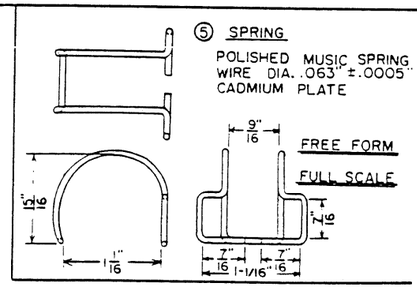
ASSEMBLY SECTION A–A
(DOOR OPEN)



② DOOR HALF OF HINGE



PANEL DRILLING & ASSEMBLY
FRONT VIEW
SHOWING A HINGE (DOOR CLOSED)



NOTES

1. TOLERANCE ON ALL DIMENSIONS ±.010" EXCEPT WHERE OTHERWISE INDICATED BY ± OR LIMITS.
2. IN LIEU OF PRODUCTION TOLERANCES GIVEN, PINS AND HINGES MAY BE SELECTED BY MEANS OF GO—NO GO GAGES FOR THE FOLLOWING CLEARANCE LIMITS BETWEEN PIN AND HINGE BORES:
   MAX: .001" MIN: .0002"
3.

DOOR HEIGHT	MIN. NO. OF HINGES
UP TO 10-1/2"	2
ABOVE 10-1/2" TO 19-1/4"	3
ABOVE 19-1/4" TO 26-1/4"	4

4. IF CHASSIS THICKNESS EXCEEDS .064" SPACER BLOCK DIMENSION 5/16" MUST BE REDUCED BY THE AMOUNT OF EXCESS.

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WASHINGTON, D. C. 20590

HINGE, PANEL DOOR

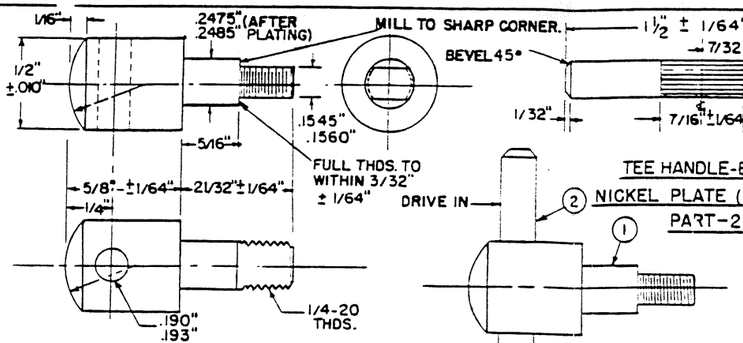
REVIEWED BY	SUBMITTED BY	APPROVED BY
	Act'g. F. A. B. SMITH	F. S. SAKATE
	CHIEF, ELECTRONIC STANDARDS SECTION,	CHIEF, SYSTEMS STANDARDS BRANCH, RD-420

DESIGNED BY A.F.H. · DRAWN BY J.S. · CHECKED BY JGSS

ISSUED BY SYSTEMS RESEARCH AND DEVELOPMENT SERVICE, ENVIRONMENTAL DEVELOPMENT DIVISION

DATE — JULY 6, 1951

DRAWING NO C-21278 REV LTR F



KNOB-BRASS

NICKEL PLATE (BRIGHT)

PART-1

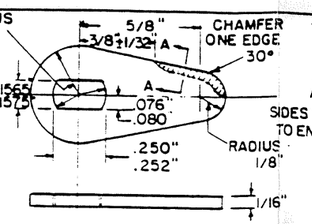
KNOB ASSEMBLY

PART-3

TEE HANDLE-BRASS

NICKEL PLATE (BRIGHT)

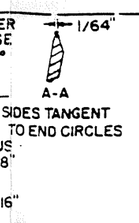
PART-2

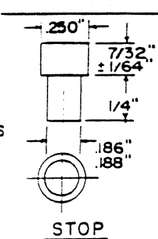


LATCH-BRASS

WHITE N.P.

PART-4



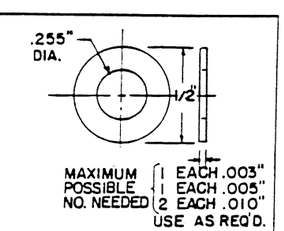


STOP

2S ALUMINUM

PART-6

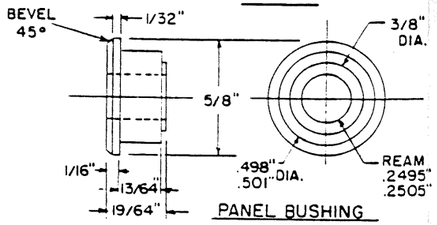
(NOTE- 2 REQ'D.PER LATCH.)



WASHER, SHIM

BRASS

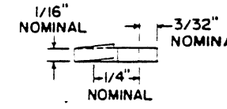
PART-7



PANEL BUSHING

BRASS, WHITE N. P.

PART-5

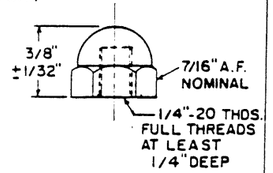


LOCKWASHER, 1/4"

PHOSPHOR BRONZE, N.P.

COMMERCIAL STANDARD

PART-8

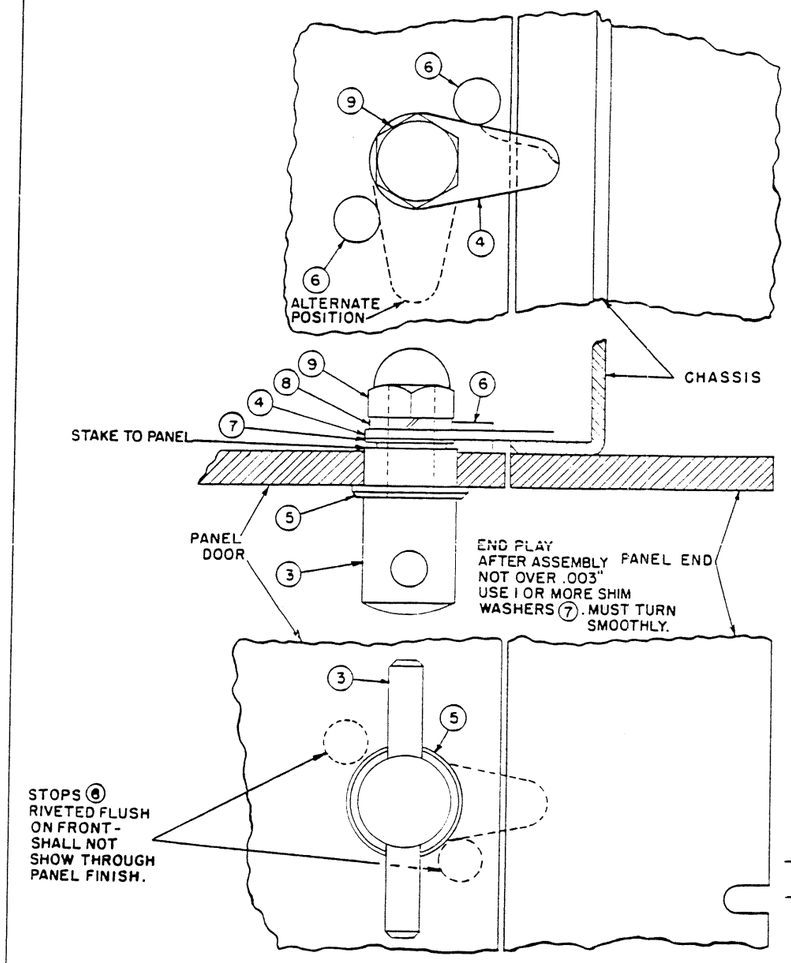


NUT, CAP

BRASS, WHITE N.P.

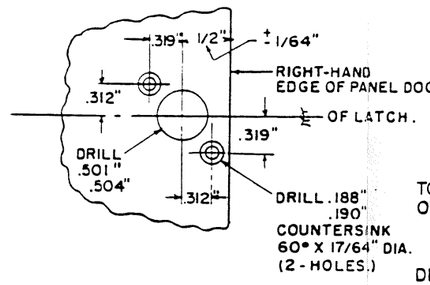
COMMERCIAL STANDARD

PART-9



FINAL ASSEMBLY

ON PANEL DOOR



PANEL DOOR DRILLING

NOTES

TOLERANCE ON ALL DIMENSIONS ± .005" UNLESS OTHERWISE MARKED BY "±" OR LIMITS, OR "NOMINAL".

DESIGN BASED ON 3/16" PANEL AND 1/16" CHASSIS THICKNESS. WHERE CHASSIS THICKNESS EXCEEDS .064", MILL UNDER LIP OF CHASSIS, OR PUT SLIGHT BEND (NOT OVER 1/32") IN LATCH AT TIME OF ASSEMBLY TO GIVE SMOOTH ACTION.

REV LTR.	DATE	DESCRIPTION	CHECKED	APPROVED
E	9/18/67	REVISED TITLE BLOCK	[illegible]	[illegible]

DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

WASHINGTON, D. C. 20590

LATCH, PANEL DOOR

REVIEWED BY	SUBMITTED BY	APPROVED BY
	F.A.B. Smith Act'g. F.A.B. SMITH	F.S. SAKATE
	CHIEF, ELECTRONIC STANDARDS SECTION	CHIEF, SYSTEMS STANDARDS BRANCH RD-420

DESIGNED BY	ISSUED BY	DATE	REV LTR
DRAWN J.S.	SYSTEMS RESEARCH AND DEVELOPMENT SERVICE, ENVIRONMENTAL DEVELOPMENT DIVISION	Nov. 3, 1948	
CHECKED E.A.S.		DRAWING NO. C-21286	E

32263

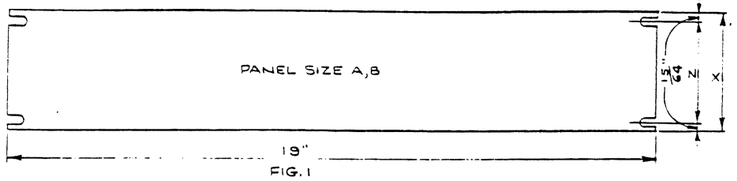


FIG. 1

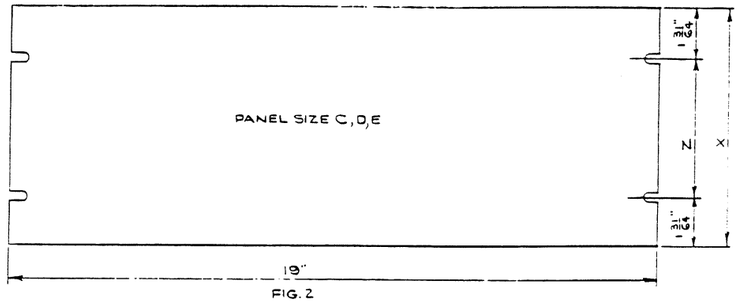


FIG. 2

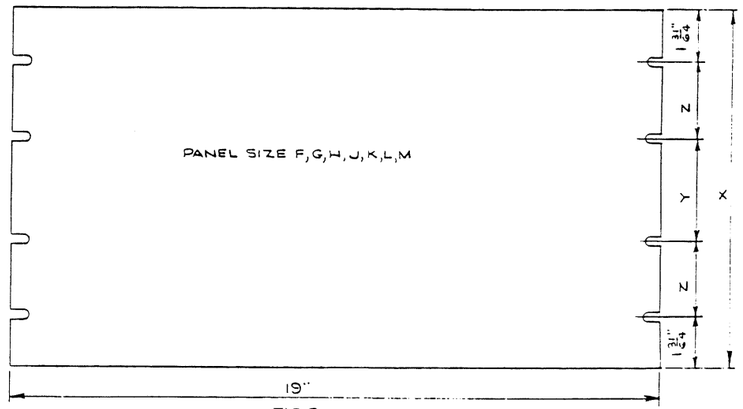
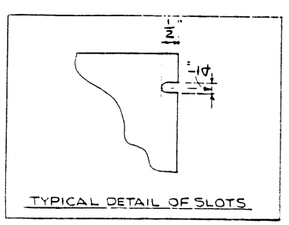


FIG. 3



TYPICAL DETAIL OF SLOTS

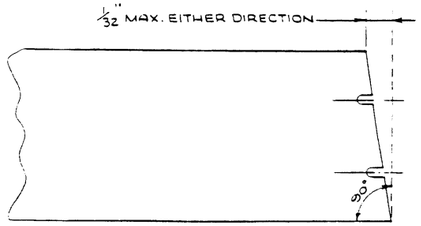


FIG. 7
LIMIT OF OUT-OF-SQUARE, ALL PANELS ($\pm \frac{1}{64}$" WIDTH TOLERANCE, NOTE-2, APPLIES TO MEASUREMENTS MADE AT BOTTOM EDGE, AND TO MEASUREMENTS MADE PARALLEL THERETO AT ALL OTHER POINTS.)

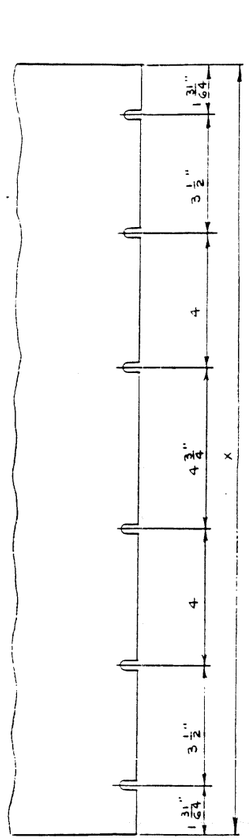


FIG. 4
PANEL SIZE-N

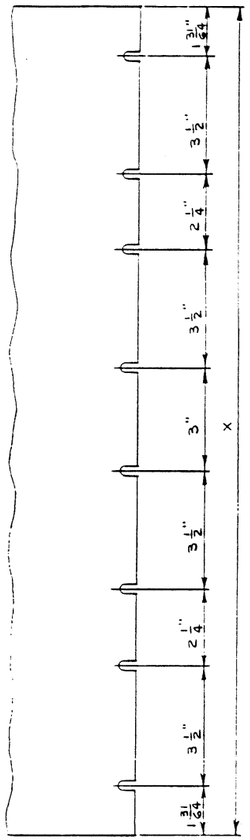


FIG. 5
PANEL SIZE-O

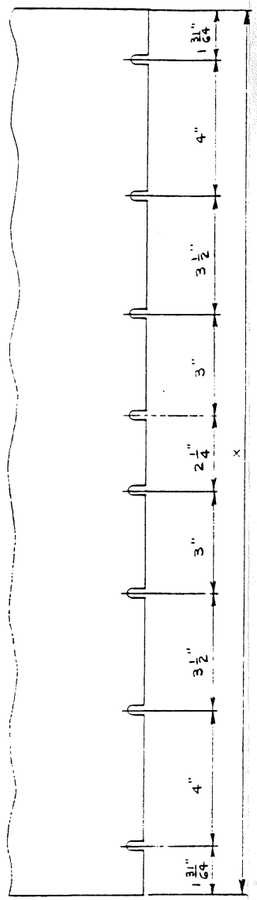


FIG. 6
PANEL SIZE-P

TABLE OF PANEL SIZES				
PANEL SIZE	FIG.	DIMENSION X	DIMENSION Y	DIMENSION Z
A	1	$1\frac{23}{32}$"		$1\frac{1}{4}$"
B	1	$3\frac{15}{32}$"		3"
C	2	$5\frac{7}{32}$"		$2\frac{1}{4}$"
D	2	$6\frac{31}{32}$"		4"
E	2	$8\frac{23}{32}$"		$5\frac{3}{4}$"
F	3	$10\frac{15}{32}$"	3"	$2\frac{1}{4}$"
G	3	$12\frac{7}{32}$"	$2\frac{1}{4}$"	$3\frac{1}{2}$"
H	3	$13\frac{31}{32}$"	3"	4"
J	3	$15\frac{23}{32}$"	$4\frac{3}{4}$"	4"
K	3	$17\frac{15}{32}$"	$6\frac{1}{2}$"	4"
L	3	$19\frac{7}{32}$"	$5\frac{3}{4}$"	$5\frac{1}{4}$"
M	3	$20\frac{31}{32}$"	$6\frac{1}{2}$"	$5\frac{3}{4}$"
N	4	$22\frac{23}{32}$"	SEE DETAILS FIG. 4	
O	5	$24\frac{15}{32}$"	SEE DETAILS FIG. 5	
P	6	$26\frac{7}{32}$"	SEE DETAILS FIG. 6	

NOTES

1. MATERIAL TO BE SELECTED FROM ALUMINUM ALLOYS LISTED BELOW.
   1100-H14,16,18 (2S-$\frac{1}{2}$H, $\frac{3}{4}$H, H)
   3003-H14,16,18 (3S $\frac{1}{2}$H, $\frac{3}{4}$H, H)
   3004-H32,34,36,38 (4S $\frac{1}{4}$H, $\frac{1}{2}$H, $\frac{3}{4}$H, H)
   2024-T3 (24S-T)
   5052-H32,34,36,38 (52S $\frac{1}{4}$H, $\frac{1}{2}$H, $\frac{3}{4}$H, H)
   6061-T4,6
   7075-T6
2. ALL PANELS TO BE 19" $\pm \frac{1}{64}$" WIDE. THICKNESS OF ALL PANELS TO BE $\frac{3}{16}$". ALL EDGES TO BE SQUARE CUT, OR GROUND TO DIMENSIONS FREE FROM BURRS & DEFORMATION.
3. ALL DIMENSIONS SHALL BE ACCURATE WITHIN $\pm \frac{1}{64}$", EXCEPT THAT NO ACCUMULATIVE TOLERANCE IS ALLOWED IN SLOT-SPACING DIMENSIONS. EACH SLOT SHALL BE SPACED FROM ALL OTHER SLOTS ON THE SAME SIDE OF THE PANEL WITHIN $\pm \frac{1}{64}$" OF THE SUM OF THE NOMINAL DIMENSIONS GIVEN ON THE DRAWING. PANELS SHALL BE SQUARE WITH THE BOTTOM EDGE WITHIN THE LIMITS SHOWN IN FIG. 7.

REV LTR	DATE	DESCRIPTION	CHECKED	APPROVED
D	9/28/66	REVISED TITLE BLOCK	7055	7004

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WASHINGTON, D.C. 20590

PANELS, RACK

REVIEWED BY	SUBMITTED BY: F.A.B. SMITH, ACT'G CHIEF, ELECTRONIC STANDARDS SECTION	APPROVED BY: F.S. SAKATA, CHIEF, SYSTEMS STANDARDS BRANCH, AD-420	
DESIGNED BY	ISSUED BY: SYSTEMS RESEARCH AND DEVELOPMENT SERVICE, ENVIRONMENTAL DEVELOPMENT DIVISION	DATE: FEB. 4, 1966	REV LTR: D
DRAWN BY: S.Z.		DRAWING NO: -D-21140	
CHECKED BY: F.A.B.S.			

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